

# PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: GAUCKLER-2

In re Application of:	)	
WOLFGANG GAUCKLER et al.	)	
Appl. No.: 10/697,786	)	Group Art Unit: 2123
Filed: October 23, 2003	)	Confirmation No.: 1142
For: METHOD AND DEVICE FOR	)	
AUTOMATIC ASSOCIATION OF DATA	)	
ELEMENTS IN MODELING OF A	)	
TECHNICAL SYSTEM	)	

## INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendments  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R:

In accordance with 37 C.F.R. 1.56, applicant wishes to call the attention of the Examiner to the following references A) to E) which were cited in the Partial Search Report issued by the European Patent Office with regard to the corresponding European patent application No. EP 03 02 2930. Applicant does not admit that any of the cited documents constitutes prior art against the pending application.

	Country:	Patent or Appl. No:	Patentee or Applicant:	Issue or Filing Date:
A)	Sohrt: "Interaction with constraints in three-dimensional ..."			03-00-1991
B)	USA	6,002,854	Lynch et al.	12-14-1999
C)	USA	5,604,892	Nuttall et al.	02-18-1997
D)	Erenes et al.: "Product modeling using multiple levels ..."			05-01-1994
E)	Europe	EP 0 838 773	Volkswagen AG	04-29-1998

The Examiner is requested to initial the two attached forms PTO-1449 and to return a copies of the initialed documents to the undersigned as an indication that the attached references have been considered and made of record.

- ☐ This Information Disclosure Statement is filed within three months of the filing date of a national application other than a continued prosecution application under 1.53(d), so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed within three months of the date of entry of the national stage as set forth in 1.491 in an international application, so that no fee under 37 C.F.R. §1.97 is due.
- ☒ This Information Disclosure Statement is filed before the mailing of a first Office Action on the merits, so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed before the mailing of a first Office Action after the filing of a request for continued examination under §1.114, so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed after the issuance of a first office but before issuance of a final action under §1.113, or a notice of allowance under §1.311.
- ☐ This Information Disclosure Statement is submitted after the mailing of a final action or a notice of allowance, but before payment of the issue fee.
- ☐ The undersigned submits the following statement requesting consideration of this statement:
- The undersigned hereby states:
- ☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office

in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement;

- ☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.
- ☐ The fee of \$180.00 set forth in 1.17(p).
- ☐ The Commissioner is hereby authorized to charge the fee as set forth in 1.17(p), and any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.
- ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

In order to satisfy the requirement under 37 C.F.R. §1.98(a)(3) for a concise explanation of the relevance of each item of information, applicant submits an English translation of the European Partial Search Report. With regard to any information that is not in the English language, applicant notes as follows.

Reference E) describes an apparatus involving a product with several components representing modules comprising at least two individual parts, or individual parts. The modules or individual parts include at least one electronic processor (1), a memory (2), an input device (3) for the identification data and an output device (4) for identification data. Data input via the input device are arranged hierarchically in the memory in levels (E1-E4). The levels have nodes (K) each containing the identification data of a component. Several nodes of a lower level (E2-E4) are allocated to a node (K) with identification data of a module of a higher level (E1-E3). The nodes of the higher level (E1-E3) are completely described by the total of the nodes of the lower level (E2-E4) associated with the nodes.

Docket No.: GAUCKLER-2  
Serial No.: 10/697,786

The above-identified application discloses and claims an invention patentable over this prior art.

Entry of the references above set forth into the file of the above application is believed to be in order and is respectfully requested.

Respectfully submitted

By: 

Henry M. Feiereisen  
Agent for Applicant  
Reg. No: 31,084

Date: April 17, 2006  
350 Fifth Avenue, Suite 4714  
New York, N.Y. 10118  
(212) 244-5500  
HMF:be

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(use as many sheets as necessary)**

Sheet	1	of	2
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**Complete if Known**

Application Number	10/697,786
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<b>Filing Date</b>	<b>23.10.2003</b>
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First Named Inventor	Wolfgang Gauckler
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**Art Unit**

Examiner Name \_\_\_\_\_

Attorney Docket Number	2002P17494 US / BIT / STF
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## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinda Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/697,786
		Filing Date	23.10.2003
		First Named Inventor	Wolfgang Gauckler
		Group Art Unit	
		Examiner Name	
Sheet 2 of 2	Attorney Docket Number	2002P17494 US / BIT / STF	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	4	SOHRT W: "Interaction with Constraints in Three-Dimensional Modeling (Master's Thesis)"; March 1991; Relevant: p. 51, paragraph 4 to p.52, paragraph 1; figure 6.17; Thesis submitted to the faculty of the University of Utah in partial fulfillment of the Requirements for the degree of Master of Science; USA	
	5	ERENS F ET AL: "Product Modelling Using Multiple Level of Abstraction Instances Astypes"; Computers in Industry; 1 <sup>st</sup> of May 1994; Relevant: Summary; p.22, column 2, paragraph 2; p.23, column 2, paragraph 2; p.26, column 2, paragraph 3; Volume 24, No.1; Elsevier Science Publishers; Amsterdam, NL	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Europäisches **EUROPÄISCHER TEILRECHERCHENBERICHT**  
Patentamt nach Regel 46 Absatz 1 des Europäischen Patent-  
übereinkommens

Nummer der Anmeldung  
EP 03 02 2930

EINSCHLÄGIGE DOKUMENTE			
Kategorie	Kennzeichnung des Dokuments mit Angabe, soweit erforderlich der maßgeblichen Teile	Betrifft Anspruch	KLASSIFIKATION DER ANMELDUNG (IPC)
X <i>31</i>	SOHRT W: "Interaction with Constraints in Three-Dimensional Modeling (Master's Thesis)" THESIS SUBMITTED TO THE FACULTY OF THE UNIVERSITY OF UTAH IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE, März 1991 (1991-03), Seiten I-103, XP002294778 * Seite 51, Absatz 4 - Seite 52, Absatz 1; Abbildung 6.17 *	1,2,8	G06F17/50 G06F17/30
X <i>32</i>	US 6 002 854 A (LYNCH ET AL) 14. Dezember 1999 (1999-12-14) * Zusammenfassung * * Spalte 15, Absatz 7-20 *	1,2,8	
A <i>33</i>	US 5 604 892 A (NUTTALL ET AL) 18. Februar 1997 (1997-02-18) * Zusammenfassung *	1,2,8	
			RECHERCHIERTE SACHGEBIETE (IPC)
			G06F
MANGELNDE EINHEITLICHKEIT DER ERFINDUNG			
Nach Auffassung der Recherchenabteilung entspricht die vorliegende europäische Patentanmeldung nicht den Anforderungen an die Einheitlichkeit der Erfindung: sie enthält mehrere Erfindungen oder Gruppen von Erfindungen, nämlich:			
Siehe Ergänzungsblatt B			
Der vorliegende europäische Teilrecherchenbericht wurde für die Teile der Anmeldung erstellt, die sich auf die zuerst in den Patentansprüchen erwähnte Erfindung beziehen.			
Recherchenort München		Abschlußdatum der Recherche 3. März 2006	Prüfer Sohrt, W
KATEGORIE DER GENANNTEN DOKUMENTEN			
X : von besonderer Bedeutung allein betrachtet Y : von besonderer Bedeutung in Verbindung mit einer anderen Veröffentlichung derselben Kategorie A : technologischer Hintergrund O : mündliche Offenbarung P : Zwischenliteratur			
T : der Erfindung zugrunde liegende Theorien oder Grundsätze E : älteres Patentdokument, das jedoch erst am oder nach dem Anmeldedatum veröffentlicht worden ist D : in der Anmeldung angeführtes Dokument L : aus andern Gründen angeführtes Dokument & : Mitglied der gleichen Patentfamilie, übereinstimmendes Dokument			

EINSCHLÄGIGE DOKUMENTE			KLASSIFIKATION DER ANMELDUNG (IPC)
Kategorie	Kennzeichnung des Dokuments mit Angabe, soweit erforderlich der maßgeblichen Teile	Betrifft Anspruch	
A 84	<p>ERENS F ET AL: "PRODUCT MODELLING USING MULTIPLE LEVELS OF ABSTRACTION INSTANCES ASTYPES"</p> <p>COMPUTERS IN INDUSTRY, ELSEVIER SCIENCE PUBLISHERS. AMSTERDAM, NL, Bd. 24, Nr. 1, 1. Mai 1994 (1994-05-01), Seiten 17-28, XP000454379</p> <p>ISSN: 0166-3615</p> <p>* Zusammenfassung *</p> <p>* Seite 22, Spalte 2, Absatz 2 *</p> <p>* Seite 23, Spalte 2, Absatz 2 *</p> <p>* Seite 26, Spalte 2, Absatz 3 *</p>	1,2,8	
A 85	<p>EP 0 838 773 A (VOLKSWAGEN AKTIENGESELLSCHAFT)</p> <p>29. April 1998 (1998-04-29)</p> <p>* Zusammenfassung *</p>	1,2,8	<p>RECHERCHIERTE SACHGEBIETE (IPC)</p>



**DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of Documents, with indication, where appropriate, of the relevant passages	Relevant to claim no.	Classification of the application
X	W. Sohrt: "Interaction with constraints in three-dimensional modeling" Masters Thesis, March 1991 Pages 1-103 ; XP 002294778 Page 51, column 4 – page 52, paragraph 1; Fig. 6.17	1, 2, 8	
X	US 6,002,854 (Lynch et al) December 14, 1999 * Abstract* *column 15, paragraphs 7-20*	1, 2, 8	
A	US 5,604,892 (Nuttall et al) February 18, 1997 * Abstract *	1, 2, 8	
A	F. Erens et al.: "Prodcu modeling using multiple levels of abstraction instances as types " In: Computers in Industry, vol. 24, No. 1, May 1, 1994 Pages 17-28, XP0000454379 ISSN: 0166-3615 * Abstract * * page 22, column 2, paragraph 2* * page 23, column 2, paragraph 2 * * page 26, column 2, paragraph 3 *	1, 2, 8	
A	EP 0838773 A (Volkswagen AG) April 29, 1998 * Abstract *	1, 2, 8	
			Searched areas (Int. Cl. 5)
The present Search Report is relevant for all claims.			
Place of Search	Date of Search	Examiner	
München	March 3, 2006	W. Sohrt	

## VERIFICATION OF A TRANSLATION

I, Barbara Emzerhoff-Snow, resident of the United States, residing at 8350 Manhattan Avenue, Apt. 3A, New York, N.Y. 10026, depose and state that:

1. I am familiar with the English and German languages.
2. I have read the attached European Partial Search report regarding European patent application no. EP 03 02 2930.
3. The hereto attached English language text is an accurate translation thereof.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued hereon.

  
Barbara Emzerhoff-Snow

Date: April 17, 2006